Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Byatarayanapura Division

Name of Work: Augmentation of Water Supply through Borewell, network of piplines and ground water recharge facilities In ward no. 05 & 06 (Package No-3) (Package Consists of 6 Works)

Modified Schedule - B

Sl No	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etccomplete as per specifications and directions of Engineer in charge of work. **Up to 125%**	Each BW	45.00	4074.70	Rupees Four Thousand Seventy Four And Paise Seventy Only
	Above 125%		2.00	4074.70	Rupees Four Thousand Seventy Four And Paise Seventy Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work. 0 to 50m **Upto 125%**	Rmtr	2250.00	375.24	Rupees Three Hundred Seventy Five And Paise Twenty Four Only
	Above 125%		100.00	375.24	Rupees Three Hundred Seventy Five And Paise Twenty Four Only
3	50 to 100 Up to 125%	Rmtr	2250.00	477.98	Rupees Four Hundred Seventy Seven And Paise Ninety Eight Only
	Above 125%		100.00	477.98	Rupees Four Hundred Seventy Seven And Paise Ninety Eight Only
4	100 to 150 Up to 125%	Rmtr	2250.00	493.12	Rupees Four Hundred Ninety Three And Paise Twelve Only
	Above 125%		100.00	493.12	Rupees Four Hundred Ninety Three And Paise Twelve Only
5	150 to 200 Up to 125%	Rmtr	2250.00	579.63	Rupees Five Hundred Seventy Nine And Paise Sixty Three Only
	Above 125%		100.00	579.63	Rupees Five Hundred Seventy Nine And Paise Sixty Three Only
6	200 to 250 Up to 125%	Rmtr	2250.00	685.61	Rupees Six Hundred Eighty Five And Paise Sixty One Only

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	Description of Item	Unit	Quantity	Rate, Rs In Figures	In Words
	Ove 125%		100.00	685.61	Rupees Six Hundred Eight / Five And Paise Sixty One Only
7	250 to 300 Up to 125%	Rmtr	2250.00	756.98	Rupees Seven Hundred Fifty Six And Paise Ninety Eight Only
	Above 125%		100.00	756.98	Rupees Seven Hundred Fifty Six And Paise Ninety Eight Only
8	300 to 350 Up to 125%	Rmtr	2042.00	892.15	Rupees Eight Hundred Ninety Two And Paise Fifteen Only
9	350 to 400	Rmtr	830.00	973.26	Rupees Nine Hundred Seventy Three And Paise Twenty Six Only
10	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fized with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.	Rmtr	1776.96	1432.85	Rupees One Thousand Four Hundred Thirty Two And Paise Eighty Five Only
11	Providing and fixing 250mm dia PVC Pipe and as per specification complete as per specifications and directions of Engineer in charge of work. Up to 125%	m	450.00	2313.34	Rupees Two Thousand Three Hundred Thirteen And Paise Thirty Four Only
	Above 125%		189.00	2313.34	Rupees Two Thousand Three Hundred Thirteen And Paise Thirty Four Only
12	175mm dia M.S. Casing capcomplete as per specifications and directions of Engineer in charge of work. Up to 125%	Each	45.00	108.14	Rupees One Hundred Eight And Paise Fourteen Only
	Above 125%		2.00	108.14	Rupees One Hundred Eight And Paise Fourteen Only
13	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work. Up to 125%	Sq.cm	924000.00	0.37	Rupees And Paise Thirty Seven Only
14	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any, complete as per specifications and directions of Engineer in charge of work. Up to 125%	No	38.00	189.24	Rupees One Hundred Eighty Nine And Paise Twenty Four Only
15	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any,complete as per specifications and directions of Engineer in charge of work.	No	38.00	151.40	Rupees One Hundred Fifty One And Paise Forty Only
16	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if anycomplete as per specifications and directions of Engineer in charge of work.	No	38.00	189.24	Rupees One Hundred Eighty Nine And Paise Twenty Four Only

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	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	bour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) ble (new submercible pumpset if required will be supplied by the department free of cost and re ed pumpset shoud be handed over to department including transportation (Each lenth =6.00) complete as per specifications and directions of Engineer in charge of work. Up to 125%	Job	38.00	6109.89	Rupees Six Thousand One Hundred Nine And Paise Eighty Nine Only
18	Labour charges for Erection of outdoor type panel board and meter board units with all necessary materials and labour tools and equipments including providing cement concrete foundation bed etc., complete. as per specifications, with testing complete as per specifications and directions of Engineer in charge of work. Up to 125%	Job	38.00	1295.51	Rupees One Thousand Two Hundred Ninety Five And Paise Fifty One Only
19	Supplying and laying of LT UG cable having aluminum conductor PVC insulated sheathed, galvanized, steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable complete as per specifications and directions of Engineer in charge of work.	Rmtr	1359.00	157.49	Rupees One Hundred Fifty Seven And Paise Forty Nine Only
20	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. complete as per specifications and directions of Engineer in charge of work.	Rmtr	1195.00	12.47	Rupees Twelve And Paise Forty Seven Only
21	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfacescomplete as per specifications and directions of Engineer in charge of work.	Mtr	1255.00	86.09	Rupees Eighty Six And Paise Nine Only
22	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm complete as per specifications and directions of Engineer in charge of work. Up to 125%	Mtr	152.00	351.72	Rupees Three Hundred Fifty One And Paise Seventy Two Only
23	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia, complete as per specifications and directions of Engineer in charge of work. Up to 125%	Nos	38.00	3928.72	Rupees Three Thousand Nine Hundred Twenty Eight And Paise Seventy Two Only
24	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.complete as per specifications and directions of Engineer in charge of work. Up to 125%	Nos	38.00	537.45	Rupees Five Hundred Thirty Seven And Paise Forty Five Only
25	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work. Up to 125%	Nos	38.00	306.57	Rupees Three Hundred Six And Paise Fifty Seven Only
26	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 20 HP 40 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	13.00	95115.69	Rupees Ninety Five Thousand One Hundred Fifteen And Paise Sixty Nine Only
27	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.5 HP 30 Stage complete as per specifications and directions of Engineer in charge of work.	Nos	13.00	75725.09	Rupees Seventy Five Thousand Seven Hundred Twenty Five And Paise Nine Only
28	Providing, laying & joining GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class complete as per specifications and directions of Engineer in charge of work.	Nos	1883.00	3004.12	Rupees Three Thousand Four And Paise Twelve Only

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	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	pplying of submersible pump cable 1X3X6 Sqmm complete as per specifications and directions of gineer in charge of work.	Mtr	22642.00	215.23	Rupees Two Hundred Fifteen And Paise Twenty Three Only
30	Supplying & delivery at site brand new / Essen / lotus sunsines/Adarsh/Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph,50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz,380/440 AC supply shall be consisted etc., completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) complete as per specifications and directions of Engineer in charge of work. Up to 125%	Nos	38.00	22047.90	Rupees Twenty Two Thousand Forty Seven And Paise Ninety Only
31	Supplying & delivery of brand 50mm Gate Valve. complete as per specifications and directions of Engineer in charge of work. Up to 125%	Each	38.00	1286.86	Rupees One Thousand Two Hundred Eighty Six And Paise Eighty Six Only
32	Supplying & delivery of brand 50mm Non Return Valve. complete as per specifications and directions of Engineer in charge of work. Up to 125%	Each	38.00	1270.64	Rupees One Thousand Two Hundred Seventy And Paise Sixty Four Only
33	Supplying and fixing MCB complete as per specifications and directions of Engineer in charge of work. Up to 125%	Each	38.00	1108.43	Rupees One Thousand One Hundred Eight And Paise Forty Three Only
34	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of Engineer in charge of work.	Cum	6033.15	332.76	Rupees Three Hundred Thirty Two And Paise Seventy Six Only
35	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including joining of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete as per specifications and directions of Engineer in charge of work.	Mtr	13443.00	133.01	Rupees One Hundred Thirty Three And Paise One Only
36	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications and directions of Engineer in charge of work.	Cum	6033.15	134.66	Rupees One Hundred Thirty Four And Paise Sixty Six Only
37	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification. complete as per specifications and directions of Engineer in charge of work. Cutting Asphalt Road Surface	Cum	0.00	603.19	Rupees Six Hundred Three And Paise Nineteen Only
38	Earthwork excavation in soil, clay, sand, shedu soil, soft murrum, including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	374.16	Rupees Three Hundred Seventy Four And Paise Sixteen Only
39	Add for additional lift charges for every lift of 1.50 M or part thereof beyond 1.50 Mtr to 10.50 Mtr complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	61.64	Rupees Sixty One And Paise Sixty Four Only
40	Providing and laying in position plain cement concrete of grade M 10 with cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, including cost of all materials, labour, HOM of machinery, curing,lowering to any depth, dewatering etc., ccomplete as per specifications and directions of Engineer in charge of work.specifications with all lead and lifts for Foundation of steining.	Cum	0.00	6524.07	Rupees Six Thousand Five Hundred Twenty Four And Paise Seven Only
41	100 mm and down nominal size complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	1068.01	Rupees One Thousand Sixty Eight And Paise One Only

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	Description of Item	Unit	Quantity	Rate, Rs	
				In Figures	In Words
	) mm nominal size stone aggregatescomplete as per specifications and directions of Engineer in charge of work.	Cum	0.00	1180.27	Rupees One Thousand One Hundred Eighty And Paise Twenty Seven Only
43	20 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	1180.27	Rupees One Thousand One Hundred Eighty And Paise Twenty Seven Only
44	6 mm nominal size stone aggregates complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	1180.27	Rupees One Thousand One Hundred Eighty And Paise Twenty Seven Only
45	Providing and filling sand complete as per specifications and directions of Engineer in charge of work.	Cum	0.00	1817.78	Rupees One Thousand Eight Hundred Seventeen And Paise Seventy Eight Only
46	Supplying & errection of RCC rings for well steining of 0.3 Mtr Depth using M-20 grade concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, formwork and plastering for both faces with C.M 1:3 proportion as per design using 6.50mm M.S. coil at the rate of 10 Kgs/ring including cost of steel and fabrication, bailing out of water, errection etc., complete. For 1.20m dia (clear) rings of steining thickness 0.075mm upto 18 M depthcomplete as per specifications and directions of Engineer in charge of work.	Each	0.00	1199.27	Rupees One Thousand One Hundred Ninety Nine And Paise Twenty Seven Only
47	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications and directions of Engineer in charge of work.	Kgs	0.00	105.72	Rupees One Hundred Five And Paise Seventy Two Only
	EIRL				
E1	Providing Submersible Pump Set of 150mm dia suitable for borewell and confirming to IS 8034-2000; 3 Phase, SS Bowl & Impeller with low volt motor as per specification, to work site as per necessary amendments and instructions of Engineer in charge of work 17.5 HP 40 Stage	Each	10.00	134497.33	Rupees One Lakh(s) Thirty Four Thousand Four Hundred Ninety Seven And Paise Thirty Three Only
E2	Providing Submersible Pump Set of 100mm dia suitable for borewell and confirming to IS 8034-2000; 3 Phase, SS Bowl & Impeller with low volt motor as per specification, to work site as per necessary amendments and instructions of Engineer in charge of work 10 HP 100 Stage	Each	2.00	150841.34	Rupees One Lakh(s) Fifty Thousand Eight Hundred Forty One And Paise Thirty Four Only

Executive Engineer
Byatarayanapura Division
BBMP Bangalore

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